

Amendments to the Claims

The listing of claims will replace all prior versions and listings of claims in the application.

1. (*Currently Amended*) A method of maintaining a machine part arranged in an interior space of a machine, where the interior space is kept at a first pressure and is separated from an environment having a second pressure via a load lock, the method comprising:

transporting by use of a handler the machine part via the load lock out from the interior space; and

transporting by use of the handler via the load lock into the interior space, the machine part after being maintained or a separate replacement machine part,

wherein the machine part is a substrate table configured to support a substrate or a gripper configured to grip and release the substrate and/or the substrate table, and

wherein the handler has either a plurality of protrusions or a plurality of grooves that substantially correspond to and engage, respectively, a plurality of grooves or a plurality of protrusions located on the machine part.

2. (*Previously Presented*) The method of claim 1, wherein the machine part is transported via the load lock into the interior space after cleaning the machine part

outside the interior space and the machine part is transported after being maintained via the load lock into the interior space.

3. (*Previously Presented*) The method of claim 1, wherein the separate replacement machine part is transported via the load lock into the interior space and the separate replacement machine part is a clean version of the machine part and the separate replacement machine part is transported via the load lock into the interior space as a clean version of the machine part.
4. (*Previously Presented*) The method of claim 1, where the machine part is connected to and disconnected from the machine via a connection system.
5. (*Previously Presented*) The method of claim 4, wherein the connection system self-aligns during connecting and disconnecting.
6. (*Currently Amended*) The method of claim 1, wherein the machine part is the substrate table and ~~[[by]] further comprising~~ comprising:

displacing the substrate table with respect to a chuck by a displacement mechanism.
7. (*Previously Presented*) The method of claim 6, wherein displacing the substrate table with respect to the chuck comprises:

moving at least one of a pin, that in a first position extends in a first direction through the substrate table, and the substrate table in a second direction, which is substantially perpendicular to the first direction, when the pin is at a second position that does not extend through the substrate table; and displacing the substrate table with respect to the chuck by moving the pin in the first direction.

8. *(Previously Presented)* The method of claim 7, wherein the movement of the at least one of the pin and the substrate table in the second direction is a rotation.
9. *(Previously Presented)* The method of claim 1, where the machine is a lithographic projection apparatus configured to project a beam of radiation on the substrate.
10. *(Previously Presented)* The method of claim 9, wherein the transporting the machine part includes grasping the gripper arranged to grip and release the substrate and/or the substrate table.
11. *(Currently Amended)* An assembly, comprising:
 - an apparatus within an interior space, where said interior space is kept at a first pressure and is separated from an environment having a second pressure;
and
 - a load lock separating said interior space from said environment and constructed and arranged to transfer by use of a handler a machine part out

of said interior space and constructed and arranged to receive and transfer by use of a handler said machine part after maintenance or a separate replacement machine part into said interior space, said machine part being a substrate table configured to support a substrate or a gripper configured to grip and release the substrate and/or the substrate table, said load lock being constructed and arranged to maintain said first pressure when open to said interior space and to maintain said second pressure when open to said one of said machine part after maintenance and a separate replacement machine part,

wherein said apparatus and said load lock are constructed and arranged to maintain said interior space at said first pressure when said load lock is open to said second pressure, and
wherein the handler has either a plurality of protrusions or a plurality of grooves that substantially correspond to and engage, respectively, a plurality of grooves or a plurality of protrusions located on the machine part.

12. *(Previously Presented)* The assembly of claim 11, wherein said apparatus is a lithographic projection apparatus comprising:

a radiation system constructed and arranged to provide a beam of radiation;
a support structure to support a patterning device, said patterning device serving to pattern said beam according to a desired pattern; and

a projection system constructed and arranged to project said patterned beam onto a target portion of said substrate.

13. (*Previously Presented*) The assembly of claim 11, further comprising:

a cleaning apparatus constructed and arranged to clean said machine part outside said interior space to render it as said machine part after maintenance that can be transported via said load lock into said interior space.

14. (*Previously Presented*) The assembly of claim 11, wherein said separate replacement part is a clean version of said machine part that can be transported via said load lock into said interior space.

15. (*Previously Presented*) The assembly of claim 11, further comprising:

a connection system constructed and arranged to connect and disconnect said machine part from said apparatus.

16. (*Previously Presented*) The assembly of claim 15, wherein said connection system is constructed and arranged to be self-aligning during connecting and disconnecting.

17. (*Previously Presented*) The assembly of claim 11, wherein said machine part is the substrate table and further comprising a displacement mechanism to displace the substrate table with respect to a chuck.

18. *(Previously Presented)* The method of claim 6, wherein displacing the substrate table by the displacement mechanism includes providing the displacement mechanism having a pin, which in a first position can extend in a first direction through the substrate table, and that displaces the substrate table with respect to the chuck through movement of the pin in the first direction; and

 a shifting mechanism moving at least one of the pin and the substrate table in a second direction, which is substantially perpendicular to the first direction, when the pin is at a second position that does not extend through the substrate table.
19. *(Previously Presented)* The method of claim 18, where said movement of said at least one of the pin and said substrate table in said second direction is a rotation.